

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for reserving resources in a packet communication network, ~~preferably an IP-protocol network, this wherein the packet network being is~~ a hybrid network comprising both active nodes and passive nodes, ~~wherein the active nodes alone being capable of taking into account so-called consider information in active packets, that is to say those containing said~~ information related ~~relating to a corresponding an~~ execution environment ~~of these of a respective active node nodes, and wherein an active data flow being comprises~~ a set of active packets ~~having to be taken into account executed by one and the same the~~ execution environment, the said method comprising the steps of:
 - a) ~~— sending on the network of a reservation packet containing comprising~~ a request for reservation of resources constituting an execution environment for ~~an associated the~~ active data flow;
 - b) ~~— receiving of the said reservation packet by an active node of in~~ the network; and
 - e) ~~— reservation of reserving~~ resources of the active node according to the said request, ~~the said method being characterised in that the wherein~~ said reservation packet is an active packet.
2. (currently amended): The method of Claim claim 1, ~~characterised in that the~~ wherein said reservation packet is in the RSVP protocol format.

3. (currently amended): The method of Claim ~~claim~~ 1, characterised in that the wherein said reservation packet is ~~of the a~~ PATH type ~~packet in accordance with of the~~ RSVP protocol.

4. (currently amended): The method of claim 1, characterised in that wherein the reservation packet comprises an identifier of the said active data flow.

5. (currently amended): The method of Claim ~~claim~~ 1, characterised in that the wherein said reservation packet ~~is provided for containing comprises~~ parameters for processing data contained in the said associated active data flow, ~~this wherein the processing of the data comprises being a code executable executing~~ code by ~~an~~ the active node of ~~in~~ the network, and ~~in~~ that, in the case of these processing parameters being present, the step b) is followed by wherein, after receiving the reservation packet, the active node: b1) ~~a step of loading loads~~ by the said active node of the said corresponding the executable code; and b2) a step of execution ~~executes the loaded of the said code by the said active node.~~

6. (currently amended): The method of Claim ~~claim~~ 5, characterised in that wherein the said processing parameters ~~constitute comprise~~ the said code executable by the said active node.

7. (currently amended): The method of ~~Claim claim~~ claim 5, ~~characterised in that wherein~~ the said processing parameters identify a server and ~~a~~-code downloadable by the said active node from the said server.

8. (currently amended): The method of ~~Claim claim~~ claim 5, ~~characterised in that wherein~~ after the active node loads the executable code, it comprises, after the step b1), a step of: b3) the active node sends sending on the network by the said ~~node~~ of a confirmation of said loading of the ~~said~~ executable code.

9. (currently amended): An active packet communication network node, ~~in particular an IP active router~~, for implementing the method according to claim 1. ~~Claim 1,~~ ~~characterised in that it wherein the node~~ is provided for receiving the active packets, for detecting if one of a the received active ~~packet~~packets is ~~a the~~ reservation packet and for reserving corresponding resources for processing the data of ~~an the~~ active data flow according to ~~a the~~ resource reservation request for the said active data flow and contained in the ~~said~~ active reservation packet.

10. (new): The method of claim 1, wherein the packet network is an IP protocol network.

11. (new): The node of claim 9, wherein the node is an IP active router.

12. (new): The method of claim 1, wherein the active packet comprises a marker in a header of the active packet, the marker indicating whether the packet is active or passive, wherein, when the marker indicates the packet is active, the marker identifies that the active packet comprises at least one of command, code, and program for execution in the active node and wherein the reservation packet has the marked indicating the packet is active.

13. (new): The method of claim 8, wherein the confirmation of said loading of the executable code indicates that said loading was successful.

14. (new): The method of claim 1, wherein the reservation packet comprises a first identifier identifying a protocol for the active data flow, a second identifier identifying a source or destination of the active data flow, and a third identifier identifying resources of the active node that are to be reserved.